Figure 1A

1	CGGACGCGTGGGCGCGCGCCTGGCTGACCTGATCCTGGACCAGTGCCCCGACCGCGGCG	60
61 1	CGCCGGTGCCGCAGATGCTGGCCCAGCCGCAGCGGCTGCTCTTCATCCTGGACGGCGCGGGGGGGG	120 16
121 17	ACGAGCTGCCGGGGGGGCCCCGAGGCCGCGCCCTGCACAGACCCCTTCGAGGCGG E L P A L G G P E A A P \subseteq T D P F E A A	180 36
181 37	CGAGCGGCGCGGGTGCTAGGCGGGCTGCTGAGTAAGGCGCTGCTGCCCACGGCCCTCC S G A R V I G G S S K A L P T A L L	240 56
241 57	TGCTGGTGACCACGCGCCGCCGCCGCCGCGGAGGCTGCAGGGCCGCCTGTGTTCCCCGC V T T R A A A P G R L C S P Q	300 76
301 77	AGTGCGCCGAGGTGCGCGGCTTCTCCGACAAGGACAAGAAGAAGTATTTCTACAAGTTCT C A E V R G F S D K D K K K Y F Y K F F	360 96
361 97	TCCGGGATGAGAGGAGGGCCGAGCGCCTACCGCTTCGTGAAGGAGAACGAGACGCTGT R D E R R A E R A Y R F V K E N E T F	420 116
421 117		480 136
481 137		540 156
541 157	TCATCACCAGCGTTCTGAGCTCGGCTCCGGTAGCCGACGGCCCCGGTTGCAGGGCGACC I T S V L S S A P V A D G P R L Q G D	600 176
601 177	TGCGCAATCTGTGCCGCCTGGCCCGCGAGGCGTCCTCGGACGCAGGGCGCAGTTTGCCG RN CR AR EG V LG RRA QF AE	660 196
661 197	AGAAGGAACTGGAGCATCGTGGCTCCAAAGTGCAGACGCTGTTTCTCAGCA K E	720 216
	AAAAGGAGCTGCCGGGCGTGCTGGAGACAGAGGTCACCTACCAGTTCATCGACCAGAGCT K E L P G V L E T E V T Y Q F I D Q S F	780 236
781 237	TCCAGGAGTTCCTCGCGGCACTGTCCTACCTGCTGGAGGACGGCGGGGTGCCCAGGACCG Q E F L A A L S Y L E D G G V P R T A	840 256
841 257		900 276

Figure 1B

901 277	TCAC T	CAC T	GCG(R	CTT(F	CCT(L	CTT(F			GCT(L	GAG(S		GGA(E	GCG(R	GAT(M	GCG(R	CGA D	CAT(I	CGA(E		CC H	960 296
961 297	ACTT F		CTG <u>C</u>										GGC A			GTG W	GGT: V	GCA Q	GGG; G	AC Q	1020 316
1021 317			GGG G								GGT(V			GGG G			AGG G	GCT L		GG D	1080 336
1081 337	ACAC T	CGA E		GCC. P		GGA E		GGA E	GGA E	GGG. G	AGA E	GGA E		CAA N			ACT L		GTT L	GC	1140 356
1141 357	TGTA Y		CCT	GTA Y	CGA E	GAC T	GCA Q	GGA E	GGA D	CGC A	GTT F	TGT V	GCG R	CCA Q	AGC A	CCT L	GTG C	CCG R	GTT F	CC P	1200 376
1201 377	CGGA E	GCT L	· 'GGC A	GCT L	gca Q	GCG R	AGT V	GCG R	CTT F	CTG C	CCG R	CAT M	GGA D	.CGT V	GGC A	TGT V	TCT L	GAG S	CTA Y	CT <u>C</u>	1260 396
1261 397	GCGT V		GTG C															'GGT V			1320 416
1321 417	CGC <i>P</i> Q	AGGA E	AGAA K	.GAA K	.GAA K	GAA K	GAG S	CCT	'GGG G	GAA K	.GCG R	GCT L	CCA Q	.GGC A	CAG S	CCT L	'GGG G	TGG G	CGG G	CA S	1380 436
1381 437	GTT(AAGG G		CAC T	AAA K	ACA Q	ACT I	'GCC P	CAGC A	CTC S	CCT L	TCT L	TCA H	ATCC P	ACT L	CTI F	TCA Q	.GGC A	AA M	1440 456
1441 457	TGA(CTG# D		CACT L					CAC S		'CAC T						ACT L		TGA D	CG A	1500 476
1501 477	CGGT V	rct(C	GCCG R	GAGA D	L L	TTC S	CTG <i>E</i> E	AGGC A	CCI I	IGAG R	GGC A	CAGC A	ccc P	CCGC A	CACI L	GA(T	CGG <i>I</i> E	AGC1	GGG G	GCC	1560 496
1561 497	TCC:	rcc <i>i</i> H								GACI L								PAGO A		GGC P	1620 516
1621 517	CGC2 Q	AGT(<u>C</u>	GCAC R	GGGI V	rgc <i>i</i> Q	AGA(T	CGG1 V	CAC R	GGG: V	ГАСА Q	AGCT L	GC(P	CTGA D	ACC(CCC <i>I</i> Q	AGC(R	GAGG	GGC1 L	rcc <i>i</i> Q	AGT Y	1680 536
1681 537	ACC'	IGG' V	IGG(GTAI M	rgci Í	TTC(R	GGC2 Q	AGA(S	GCC(P	CCG(A	CCCT	rga(T	CCA(CCC L	rgg <i>i</i> D	ATC'	ICA(S	GCG(GCT(C	GCC Q	1740 556
1741 557	AAC'		CCG(rggi V	rgao T			IGTO C								GATO			1800 576

Figure 1C

1801 577	TGCAGACCCTCAGTCTGGCCTCTGTGGAGCTGAGCGAGCAGTCACTACAGGAGCTTCAGG Q T & S & A S V E & S E Q S L Q E & Q A	1860 596
1861 597		1920 616
1921 617	AACCTCCCAAGGAACTCATCTCGACCTTCTGAGGCTCTGGTGGCCAGAGCAGGGTGGAAG PPKELISTF	1980 625
1981	. ACCCTAGTCAAAGTCCCTGTGGAGAGAACGGCCCATTCCAAGGGCAGGAGATATTGCTC	2040
2041	TCGGCCTTTGGGAAACTTTTGAGCCGAGAGGCCGCAGACAGGCATGTGGGAGGCCCAGAC	2100
2101	ACGGCACCCTGCCCCGTCCAGGACAGGCCCAGGACCTGCCCCTCTCTCCACACCTGGGGT	2160
2161	ACCCCTTCTCCCCCAGCCCCACCACTACTCCACCCACCTTCCTCTCTGAGACCCTCCAG	2220
2221	CCATTCCCCTTGAAAACACCCCCGACCCCAAGCCACAATAATGACAGCGAGAGCTCCAA	2280
2281	TTAACTAAGCACCTACCTGGCGGCAGAATAACCCTTCACTGCCTGATCCCCATCTGCAGT	2340
2341	GTGGCCCAACAGCCCCCAGAACTATGCCCACATAGACTGGAGGTAGGCAGTTCACCGTCC	2400
2401	. CTCCCTGTTAGGAATGAGACCATCCCTGAGGCTATGGCCCAGGCCCACAGGCGTCCAGTG	2460
2461	TCTGAGATCTTTGGGAAGGGAGACTAGGGCAGGTGGAGACAGCGCAGAACCCCCGTGCTG	2520
2521	GGTGGGAAGCATGACCACATGGTGGGTGAGCAGCCCCCATGCACTGACGGTAAATTCCCC	2580
2581	TGTGGACTCATTTCTGTTGGTTTCTATTACACCTGGCCAGGCGTGGTACAATACAGGTCG	2640
2641	GTGCTCACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	

Figure 2A

III DDGT1	(1)	1 50
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(1)	MAĞGAWGRLACYLEFIKKÉELKEFQLLLANKAHAASSGETPAQPEKESÇ -MÄSTRCKLARYLEDIEDVELKEKÜHLEDYFEÇKECIPTERGOTEKALH MGFRLQALLEQESQÜELSKFKYLTTTESPÄHELQKTPHKEVEKADÇ
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(50)	MEVASYLVAQYGEQRAWDLALHTMEQMGLRSLCAQAQEGAGH@PSFP@SP
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(101) (100)	
HLRRS[] caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(102)	151 200 ISASHLYQALPSSPDHESPSQESPNAPTSTAVLGSWGSPPQFSDAPREQE
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(201) (111)	201 250 APGTQWPHDETSGIYYTEIREKERKSEKGRPPWAAVVGTPPQHSSLOP IDEEWMGILDYFSRISICKMKKDYRKKYRKYVSRFQCIBDRAARLGESV KERPPIDVDEMLEREKTEAQUKDNRCRYILKTKEREMWKSWPGDSKEVOV
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(251) (161)	251 300 HHHPWEPSVRESLCSTWPWKNDDFNQKFTQLLLLQRUHPRSQDPLVKRSW SLNKRYTRIRLIKEHRSQQERUQELLAIGKTKTCESUV MAERYKMLIPFSNPR
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(301) (199)	301 PDYVEENRGHTIETRDLFGPGIDTQEPRIVILQGAAGIGKSTLAROVKEASPTKMELLFDPDDEHSEPVHTVVFQGAAGIGKTILARKMMLDVIPGPFSYTVVIYGPAGIGKTLAGKIMLD
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(1) (351) (241) (202)	WASCILYODRFDYDIYIHCREVSLVTQRSLCCLIMSCCPDPNPPIHKIVR
HLRRST1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(291)	401 DECRELFILDGADELP-ALGGERAAPCTDPFEASGARVLGGLISKALLP REER LFILDGVDEPGWYLCEESSELCLHMSOPCEADALLGSLLGKTELP RESR 15LMDGFDELCEADEHISPLCTDWCKAERGDILLSSLIRKKLLP CARKILEVIDGFDELGAAPGALIEDECGDWERKKEVPYLLGSLINKVMLP
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(451) (341)	451 TALHIYTTRAAAPGRLOGRICSEOCAEVRGFSDKEKKYFYKIERDERRA EASFEIRARTTALONIIESLEOARWVEVLGFSESEKEYFYRYFTDEROA EASLIITREVALEKIOHILDHPRHVEILGFSEAKKEYFFRYFSDEAOA RAALIYTTRERAIRDIRIIABEEIXIRVEGELEEDKRAYFLRHESDEOOA
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(501) (391)	5501 ERAMREVKENETLFALCEVENVCWIVCTVLEQCEELGROLSRTSKTTTSV IRAFRLVKSNKELWALGEVENVSWLACTCLMQQMKRKEKLTLTSKTTTEE RAAESLICENEVLENM FRETVCWIVCTGLRQQMESGKSLAQTSKTTTAV MRAIBLWRSNAALFQLGSABAVCWIVCTTLKLQMEKGEDFYPTGLTREGI
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Bınding_site	(551) (441)	551 YILTSVISSAEVADEPRIQEDIRNICRIAREGVICRRAQEAEKEIRON CHYLTSVISSAEVADEPRIQEDIRNICRIAREGVICRRAQEAEKEIRON CHYLTSVISSAEVADEPRIQEDIRNICRIAREGVICRRAQEAEKEIRON WFFISSIEQPRGSQEHGICÄHIWGICSIAADGIWNOKIIFRESDIRNH FIRFICSREPQGAQIRGAIRTISIIAAQGIWAQISVIHREDIERE

Figure 2B

HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(595)	GLOKADVSAFLRMN-LFOKEVDCEKFYSFIHMTEQDE FAAMYYLLEEEKE
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(642) (540)	700 PRIAGG
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(686) (590)	750 ERHECCMVSERVKOBALRAVOGOGOGCPGVAPEVTEGAKGLEDTEESER MENTEHORISCGRNENOWPSLQLILOPHS LEXKLECKISCOTRLEILKNIEVKAKAKKLOICESO LEATEGCRUSPDIKOELIKCISCKGGHSTVIDLO
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(716) (626)	800 EEEGEEPNYPLELLYCLYETOEDAFVROALCREPELALCRVRFCRMDVAVLESLHCLYETENKTELTOWAH FERMON
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(754) (664)	850 LSYCVACCPAGCALRIISCRLYARCEKKKKSICARLGASLGGGSSQ CTECIARSRHVKKLOLIECROHRSTWSPSMVYLERWYPYTDAYWOILGG- SSFCIENCHRVESLSIGFIHMPREBEEEEKECRHUMYCCVLPSSSFAA SSFCYKHORNIOKMSIQVIKENLPENYTASESJAAUGRSODOOHMIPEWT
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(803) (714)	851 900 CSHGTVNSH
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(803) (725)	901
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(468) (844) (775) (762)	lagocitabockolabolranotiteldesfnytmoagakhloorerses lgrocishboofdislytssnoklyblolsonaloofgeblicvolkell
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(518) (894) (825) (812)	CKLORI OLVSCGLTSDCCODLASVISASPSI KELDI OON LDDVGVRLC CALKKI WLVSCCLTSACCODLASVISTSHSITRI YVGENALGDSGVAI LC
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(944) (875)	1051 AVIOLOGCCLOTISIASVEISEGSLOELOAVKRAKEDIVITHPALDGHPQ EGLRHPACKLIRLGLOOTTISEEMROELRAHEOEKEGIJIESREKPSVMT EKAKNECCNLOKLGLVNSCHTSVCCSALSSVISTNONITHLYLRGNITECD EGLRYPECKLOTIVIWNCHTSDCCCHIKLLOEKSSILCLDIGENHIEV
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(994) (925)	1101 PREFERENCE STEERORUGS ERAASHVAQANLKLI DVSKI IPIARI KEIKLIJE GILH POCKLOVI BUDNONITSHOOWDISTLIKS SOSIRKI SI KENKIJCE JURKELONIKO WIWGOSIPPESE PDICSAISN-OSIVTI BI
HLRRSI1 caspase_recruitment_protein cryopyrin Nucleotide_Binding_site	(1044) (975)	1151 1200 AGESSPENVPNELLCVPSPASGCDLHTKPLGTDDERGFTGPVATEVVOK CNNDLGDLGVMCCEVEKGCSCLLONLGISEMMENNETKSALETICE CNNPLGSSGVKMIFFTLTCSSGTLKTLRLKLEDENDELNKLLEELEE

Figure 2C

	1201 1250
HLRRSI1 (626 caspase_recruitment_protein (1094 cryopyrin (1022) EK NLYR VHE PVÄGSÄRWPN T GLC E VVREAVTVEIEFCVWDQFLGEINPQH
Nucleotide_Binding_site (1008) KNEONITOTEKHHPWAERPSSHDEMI
HLRRSI1 (626	1251 1300
caspase_recruitment_protein (1144 cryopyrin (1035 Nucleotide_Binding_site (1034) SWMVAGPLLDIKAEPGAVEAVHLPHFVALQGGHVDTSLFQVAHFKEEGML
	1301 1350
· ·	•
HLRRSI1 (626	1351 1400
•) EEVTFHLYLIPSDCSIRKELELCYRSPGEDQLFSEFYVGHLGSGIRLQVK
WI DD0.11 / CO.	1401 1450
HLRRSI1 (626 caspase_recruitment_protein (1294 cryopyrin (1035 Nucleotide_Binding_site (1034) DKKDETLVWEALVKPGDLMPATTLIPPACIAVPSPLDAPQLHFVDQYRE
HLRRSI1 (626	1451 1500
caspase_recruitment_protein (1344 cryopyrin (1035) QLIARVTSVEVVLDKLHGQVLSQEQYERVLAENTRPSQMRKLFSLSQSWD)
HLRRSI1 (626	1501 1536
caspase_recruitment_protein (1394 cryopyrin (1035) RKCKDGLYQALKETHPHLIMELWEKGSKKGLLPLSS)
Nucleotide_Binding_site (1034)

Figure 3

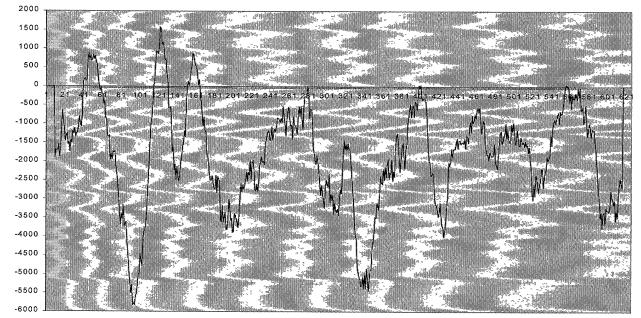


Figure 4

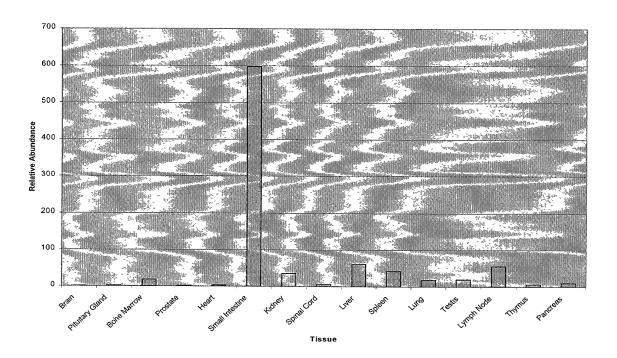


Figure 5.

Protein	Genbank ID	Identities	Similarities
human caspase recruitment protein 7	gi 10198209	36.3%	44.0%
human nucleotide binding site protein	gi 10198207	35.0%	42.2%
human cryopyrin protein	gi 17027237	35.7%	46.0%